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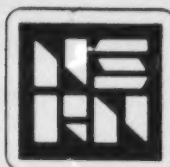
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ABSTRACT

School bus safety depends as much on responsible students as it does on competent drivers. Periodic on-the-job training is necessary to maintain and increase driver skills in handling buses and pupil passenger behavior. Similarly, continuing instruction on safety rules and the need for personal responsibility for those rules is needed to promote and maintain student safety on school buses. This bulletin discusses some of these needs for training and provides a list of training and program resources.
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Technical Assistance Bulletin 30

Training for School Bus Safety

Summary

Each year increasing numbers of students ride school buses--and increasing demands are placed on bus drivers and the school officials responsible for pupil transportation. School bus safety depends as much on responsible students as it does on competent drivers. Periodic on-the-job training is necessary to maintain and increase driver skills in handling buses and pupil passenger behavior. Similarly, continuing instruction on safety rules and the need for personal responsibility for those rules is needed to promote and maintain student safety on school buses. This bulletin discusses some of these needs for training and provides a list of training and program resources.

The Problem

Bus drivers, like other school personnel, have to deal with violent and disruptive behavior. Incidents on school buses are especially serious, because the environment is closed and there is an ever-present danger of an accident which may seriously injure both the driver and the students on board. Training for the drivers in how to prevent and respond to conflict is not always available, and students are often unaware of the potential hazard their behavior may elicit. As Gerald Butler, principal of the Coronado Elementary School in Tucson, Arizona, points out, bus drivers have "lost the offensive in dealing with behavioral problems...on school buses." He urges administrators to--

In-service train your bus drivers at least twice a year on due process, the use of clarifying responses (language clarification skills), and the resolution of conflict. The aforementioned training...will begin to give the bus drivers some very valuable tools to help them resolve many of the daily problems encountered in transporting our children to and from school.*

*Gerald Butler, "Don't Be a Bugged and Bewildered Bus Driver."

An important element in the problem is the fact that students require positive instruction in transportation safety at an early age, as has been emphasized by many authorities on pupil passenger management. According to Steve Lovette, director of the New Jersey Bureau of Public Transportation, the most critical time for "reaching" students is from kindergarten through third grade.

The Solution

In response to the problems of school bus violence and vandalism, many schools have instituted training programs for drivers and students. Oregon has an aggressive program of in-service education for drivers. The New Jersey film for elementary school children, "Stanley, the Friendly School Bus," has been seen by a quarter of a million young students. Ongoing programs for middle, junior high, and senior high school students are also used to remind students that there are rules and demonstrate the reasons for them.

In this Resource Bulletin, we provide a listing of some of the training materials that have been developed around the country to increase driver ability to manage conflict, promote student responsibility, and enhance school bus safety.

TRAINING RESOURCES

I. Resources for Bus Drivers

A. Films

1. Caution...Valuable Load. 20 min., color. Paragon Productions, P.O. Box 395, Oakton, Va. 22124.

A general aid for training the driver, this film shows real-life situations encountered in all seasons and in all weather conditions.

2. Chrome Yellow...Extra Caution. 15 min. Bureau of Audiovisual Instruction, 1327 University Ave., P.O. Box 2093, Madison, Wis. 53701.

Safety and accident prevention in the operation of school buses is discussed. Driver training, defensive driving, and techniques at turns, hills, crossings, and intersections are illustrated. The importance of caution and alertness is emphasized.

3. Discipline and the School Bus Driver. 27 min., color and b & w, Parker Productions, 1752 Parrott Drive, San Mateo, Calif., 94402.

Workable "solutions" to discipline problems during school bus operation are presented.

4. Discipline and the School Bus Passenger. 24 min., 16 mm, sound, color. Lawren Productions, Inc., P.O. Box 1542, Burlingame, Calif., 94010.

Practical solutions to discipline problems are presented. Prompt, firm handling of problem behavior--from fist fights to vandalism--is emphasized. According to the developer, "it deals honestly with major problems."

5. Education on Wheels. 20 min. Seven Oaks Productions, 8811 Colesville Rd., Silver Spring, Md. 20910.

This film covers the role and responsibilities of drivers and documents the responsible role drivers play in the community. It is designed to help schools and contractors recruit drivers.

6. Fatal Stop! 25 min., color. Visucom Productions, P.O. Box 3563, Stanford, Calif., 94305.

The necessity of pretrip inspection is demonstrated--as well as the consequences of a sloppy inspection.

7. Lifeline to Learning. 27 min., 16 mm, sound, color. Visucom Productions, P.O. Box 3563, Stanford, Calif. 94305.

The special relationship between driver, passenger, parents, and teachers in the house-to-house, door-to-door service so often needed for the continued growth of handicapped children is stressed.

8. Pro Driving Attitudes. 16 min., color. Aims Instructional Media, Inc., 626 Justin Ave., Glendale, Calif. 91201.

Professional driving is equated with practicing four basic skills: alertness, wariness, patience, and consideration for others.

9. Problems in Transporting the Handicapped. 27 min., 16 mm, sound, color. Visucom Productions, P.O. Box 3563, Stanford, Calif. 94305.

The serious medical and behavioral problems often encountered with special education students, including seizures, injuries, and aggressive or distracting behavior are discussed.

10. School Bus Driving: Part One. 10 min., color. Aims Instructional Media, Inc., 626 Justin Ave., Glendale, Calif. 91201.

Defensive driving techniques are stressed.

11. School Bus Driving: Part Two. 10 min., color. Aims Instructional Media, Inc., 626 Justin Ave., Glendale, Calif. 91201.

"Safety comes first, schedules second" is the theme of this film.

12. School Bus Driving: Tactics. 22 min., color, Aims Instructional Media, Inc., 626 Justin Ave., Glendale, Calif. 91201.

This film shows a new school bus driver going through her first solo trip and gives a comprehensive look at her basic duties and responsibilities.

13. The School Bus Driver. 15 min., 16 mm, color. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611, 1972.

The school bus driver's duties and responsibilities as well as driving skills and safety practices in rural areas and city traffic are shown.

14. The School Bus Pretrip Inspection. 14 min. Aims Instructional Media, Inc., 626 Justin Ave., Glendale, Calif. 91201.

Pretrip inspection regulations of a school bus are covered.

15. Training the School Bus Driver. 26 min., 16 mm, sound, color. Visucom Productions, P.O. Box 3563, Stanford, Calif. 94305.

An essential introduction to the profession of school bus driving: drivers are motivated to perform more safely and efficiently.

16. School Bus Driving: Special Education Transportation. 13 1/2 min., color. Aims Instructional Media, Inc., 626 Justin Ave., Glendale, Calif., 91201.

This film covers the driver's need to establish a much closer relationship with parents, to know medical details on each student, to understand how to handle such emergencies as seizures, and to know how to communicate with students who are unable to retain or generalize.

B. Filmstrips

1. School Bus Driving. Bureau of Audiovisual Instruction, 1327 University Ave., P.O. Box 2093, Madison, Wisc. 53701.

This filmstrip comes with a record and shows mechanical theory and operation of the automotive components of a vehicle.

2. School Bus Safety. Includes 3 filmstrips with cassettes: Safety to and from the Bus Stop; Safety and Courtesy on the School Bus; and Administrators Responsibilities for School Bus Safety. Centron Educational Films, 1621 W. Ninth St., Lawrence, Kansas 66044. 1975.

This release is keyed to today's special problems in school bus safety and today's regulations in school bus operation.

C. Slide Shows

1. Adverse Weather Driving. 30 frames with script. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611.
2. Safety Seventeen--Get 'Em Out Safely. 30 frames with script and instructor's manual. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611.

This slide presentation for group training in accident prevention by the National Safety Council provides bus driver training on emergency evacuation procedures.

3. School Bus Safety for Drivers. 10 min., color, with script. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611.

Detailed instructions for the school bus driver from picking pupils up in the morning to taking them home are given. What to do in emergencies, how to handle the children, and how bus drivers should handle themselves are discussed.

4. School Bus Safety--Loading and Unloading. 30 frames, color, with script. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611.

The special hazards inherent in transporting young students are pointed out, and safe procedures designed to avert those dangers are reviewed.

5. Techniques and Attitudes. 20 min., with tape. NSTA, P.O. Box 324, Fairfax, Va. 22030.

None currently available; being revised.

6. What Do You Know? 30 frames, color, with tape cassette narration and script. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611.

D. Booklets and Manuals

1. Driver Manual. Schoolway Transportation Co., Inc., P.O. Box 205, Hales Corner, Wis. 53130.
2. For Experts Only. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611.
3. On the Road...Fatigue Can Be Fatal. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611. 8pp.

4. School Bus Safety Problems. No. 5003-0058. Superintendent of Documents, U.S. Office of Printing, Washington, D.C. 20402.

Problems and suggested action for safety parts on school buses are presented.

5. Small Fleet Guide--A Handbook of Accident Control. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611.
6. The School Bus Driver in Education Today. Cottrell Safety Services, Inc. 2036 Walden Ave., Buffalo, N.Y.
7. The Selection and Training of School Bus Drivers. No. 5003-0043. Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

The development of a set of selection requirements and training objectives applicable to the employment and training of school bus drivers are described.

8. The Wisconsin School Bus Transportation Handbook. Wisconsin Department of Public Instruction, 1969. Chapter I, pp. 16, 17, 25, 26.

This publication covers the subject with 8 cartoon-type illustrations using the Walt Disney Study Print set #104, School Bus Safety. Suggested rules for school bus riders are included.

E. School Bus Driver Instructional Programs

1. Course Guide. No. 5003-00158. Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.
2. Instructors Guide. No. 5003-00160. Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.
3. Trainee Guide. No. 5003-00162. Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.
4. Trainee Study Guide--Advanced Unit. No. 5003-00161. Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

F. State Driving Manuals

1. School Bus Driver Training Manual. State of Delaware, Department of Public Instruction, Dover, Del. 19901.

2. Hawaii State School Bus Driver's Manual. Office of Business Services, Department of Education, Honolulu, Hawaii.
3. Illinois Manual for School Bus Drivers. Office of the Superintendent of Public Instruction.
4. Michigan School Bus Driver's Manual. Michigan Program for School Bus Driver Safety Education.
5. Minnesota School Bus Driver's Handbook. School Transportation Section, Minnesota Department of Education, Safety Division, Minnesota Department of Highways, St. Paul, Minn. 55101.
6. Minnesota School Bus Driver--Safe Driving Curriculum 1973. Minnesota Department of Education.
7. Mississippi School Bus Driver's Guide. State Department of Education, Jackson, Miss.
8. Montana School Bus Driver's Manual. State Department of Public Instruction, Helena, Mont.
9. Handbook for School Bus Drivers. Department of Education, Lincoln, Neb.
10. School Bus Drivers Training Guide. Department of Education, Trenton, N.J.
11. School Bus Driver's Handbook. School Transportation Division, Santa Fe, N.M.
12. Handbook for School Bus Drivers. North Carolina Department, Driver Education and Accident Records Division, Raleigh, N.C.
13. North Dakota School Bus Drivers Handbook. Department of Public Instruction, Bismarck, N.D.
14. School Bus Driver Training. Division of Vocational Education, State Department of Education, Columbus, Ohio.
15. Manual for School Bus Drivers. Department of Education, Oklahoma City, Okla.
16. Oregon School Bus Drivers Manual. Oregon State Department of Transportation, Salem, Oreg. 97310.
17. Handbook for School Bus Drivers. Pennsylvania Department of Transportation, Harrisburg, Pa.

18. School Bus Drivers Handbook. South Carolina State Department of Education.
19. Manual--School Bus Drivers--South Dakota. Department of Public Instruction, Pierre, S.D.
20. Drive Safely and Arrive Safely. Tennessee State Department of Education.
21. School Bus Drivers Manual for Utah. Utah State Board of Education, 1400 University Club Bldg., Salt Lake City, Utah.
22. Driving a School Bus. Department of Public Instruction, Wisconsin.

II. Resources for Students

A. Films

1. And Then It Happened... 18 min., 16 mm, color. Seven Oaks Production, 9145 Sligo Creek Pkwy., Silver Spring, Md. 20901.

This school bus safety film aims to make young students aware of how their behavior can trigger accidents and cause injuries, and lets young people discover for themselves how unruly conduct can be a factor in an accident.

2. Are You Ready? 18 min., 16 mm, color. Seven Oaks Production, 9145 Sligo Creek Pkwy., Silver Spring, Md. 20901.

This film's purpose is to motivate students and drivers to pay attention during school bus evacuation drills. It offers a variety of evacuation techniques that may save lives in a number of emergency situations. According to the developer, "It is realistic and tells it the way it is."

3. Bus Driver's Helpers. 10 min., 16 mm, color. National Safety Council, 425 North Michigan Ave., Chicago. Ill. 60611, 1968.

This film is a nonpreaching approach to bus conduct for elementary students and emphasizes the need for school bus safety, care, and maintenance.

4. Broken Bus. Aims Instructional Services, Inc., 626 Justin Ave., Glendale, Calif. 92101

5. Bus Safety--Whose Responsibility? 30 min., b & w. Bureau of Audiovisual Instruction, 1327 University Ave., P.O. Box 2093, Madison, Wisc., 53701.

Dick Olson and a group of junior high pupils discuss the various responsibilities and problems of bus riding.

6. Bus Tripping: As An Elementary School Bus Passenger. Aims Instructional Services, Inc., 626 Justin Ave., Glendale, Calif. 92101.

This film aims to help establish good bus riding safety practices. It explains emergency evacuation procedures and the importance of not distracting the driver by roughhousing or noise--which could keep the driver from hearing or being alert to danger.

7. Bus Tripping: As A Secondary School Passenger. Aims Instructional Services, Inc., 626 Justin Ave., Glendale, Calif. 92101.

Orderly, courteous and safe behavior among teenage passengers is emphasized. Commonsense rules and the reasons for them are explained and demonstrated. The film also teaches basic conduct and stimulates discussion of safety, courtesy, and vandalism.

8. Death Zones. Seven Oaks Productions, 8811 Colesville Rd., Silver Spring, Md. 20910.

This film is designed to tell young students to stay clear of wheels of the bus after they depart--and not to run back even if they drop something. The problems that killed 38 students in 1973 are tackled, and three case histories are featured on how children were accidentally killed or injured by the bus they were riding after they exited the bus.

9. How to Board A School Bus. 9 1/2 min., 16 mm, b & w. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611, 1969.

Aimed at the primary child, this film outlines safety features for young students who ride the school bus from their rural homes to school.

10. Riding Your School Bus. 9 min., 16 mm, color. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611, 1972.

An elementary teacher discussed school bus safety with her class. Children are shown using safety practices on the way to their bus stop, while getting on and off the bus, and during the bus ride.

11. Safety on Our School Bus. 11 min., 16 mm, color or b & w. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611, 1957.

This film explains and illustrates the proper procedures for getting on and off a bus and six common sense rules for safe conduct while riding.

12. School Bus Emergencies and Evacuation Procedure. Aims Instructional Services, Inc., 626 Justin Ave., Glendale, Calif. 91201.
13. School Bus Evacuation for Students. Aims Instructional Services, Inc., 626 Justin Ave., Glendale, Calif. 91201, 1976.
14. School Bus Loading and Unloading. Aims Instructional Services Inc., 626 Justin Ave., Glendale, Calif. 91201.
15. School Bus Patrol. 14 1/2 min., 16 mm, color, 1963. Available from some local AAA clubs.

This film explains how the school bus patrol functions in a drama about one school's experience in starting a program.

16. School Bus Safety and Courtesy. 15 min., Centron Educational Films, 1621 West Ninth St., Lawrence, Kan. 66044.

This school bus safety film is specifically designed to comply with standard No. 17 of the U.S. Department of Transportation. Humorous sequences illustrate why safety rules are important. It deals with safety to and from the bus stop in both urban and rural settings, proper deportment on the bus and emergency evacuation procedures and stresses courteous behavior as well as safety rules.

17. School Bus Safety and You. 20 min., color. Seven Oaks Productions, 8811 Colesville Rd., Silver Spring, Md. 20910.

The do's and dont's on ways to help the driver drive the bus are explained in this film. Also highlights how to conduct oneself in an emergency drill.

18. School Bus Safety With Strings Attached. 28 min., b & w. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611.

This humorous lecture on school bus safety includes audience participation and some folk singing.

19. The Big Yellow Fellow. 15 min., color. Walter J. Klein Company, Inc., 6301 Carmel Rd., Charlotte, N.C. 28210.

Young students are taught rules and manners for getting to and from school safely by instructing through fun and adventure.

20. The High School Bus Passenger. 10 min., color. Professional Arts, Inc., P.O. Box 8003, Stanford, Calif. 94305.

Bus drivers offer pointers on how to ride a bus safely (for passengers in grades 9-12). High School passengers are contrasted to junior high and elementary passengers to demonstrate that the problem is forgetting rules rather than not knowing them.

21. The School Bus and You. 10 min., 16 mm, color. National Safety Council, 425 North Michigan Ave., Chicago, Ill, 60611, 1966.

This film is aimed at the elementary level and is designed to teach safety and courtesy to young students who are starting their daily trips to and from school by school bus.

B. Flimstrip

School Bus Safety. b & w. 1952.

The rules of safety for elementary and secondary school students who are dependent upon school-bus transportation are given.

C. Booklets

1. Belle Starr School Bus Safety Coloring Book. Grades 3 to 6. Children's Safety Association, P.O. Box 3042, St. Paul, Minn. 55165.
2. Encyclopedia of School Safety. Topics on school buses are--
63. Passengers, educating pupil, school bus safety; 11. School bus administrative problems.
3. Here Comes the School Bus. National Safety Council, 425 North Michigan Ave., Chicago, Ill. 60611, 6 pp. each.

Topics include: Get To The Bus On Time; Don't Wait in The Street; Use the Handrail; Take Seat Quickly; Keep the Aisle Clear; Permission to Open Window; Don't Throw Things; Keep It Quiet; No Horseplay; Leaving the Bus; Obey the Driver.
4. Little Rider School Bus Safety Coloring Books. Kindergarten to grade 2. Children's Safety Association, P.O. Box 3042, St. Paul, Minn. 55165.
5. We Ride the School Bus. Bus Rules, School Transportation Services, Wisconsin Department of Public Instruction, Madison, Wis.

A one sheet two-fold bulletin on safety education to develop good bus rider attitude and acquaint parents with pupil transportation safety rules. Titles include: Get to the Stop on Time; Loading Zone Behavior; Boarding The School Bus; Bus Riders are Good Citizens; Safety Tips for Bus Riders; Prevent Injuries; Be Safety Minded; Classroom on Wheels; Railroad Crossing Regulations; No Unauthorized Passengers; Leaving the School Bus; The 4 R's: Reading, 'Riting', 'Rithmetic, and Riding.

6. Join the School Bus Safety Team. Channing L. Bete Co., Inc., 45 Federal St., Greenfield, Mass. 01301. 16 pp.

This easy-to-read booklet is presented in an easy-to-understand, scripto-graphic style and can teach teachers to teach young students what they need to know about conduct and safety while riding the school bus. Topics include: What's a School Bus?; The Bus Driver; Be On Time At The Stop; All Aboard; 10 Ways to Practice Good Bus Manners; At Your Destination; Crossing the Road; Safety Tips for Special Trips; School Bus Rider Pledge.

D. Safety Kits

1. How Do You Go To School? KILBY & Associates, P.O. Box 1113, Pendleton, Oreg. 97801.

This is a K-6 student sing-along and narration activity based on the problems of school bus safety. The program, a multimedia instructional kit, covers 22 important rules for school bus safety in song, verse, and narration and includes a cartoon booklet in color, posters, and flip charts suitable for classroom presentations as well as a 14 min. filmstrip with sound track record or cassette and a complete teaching outline.

2. Safety Bug Club. Dealers Safety & Mobility Council, Highway Users Federation, 1776 Massachusetts Ave., N.W., Washington, D.C. 20036.

This is a series of pamphlets and written materials designed for K-6 students that includes a 16-page booklet (Safety Bug Club Guide), stickers, travel checklist, suggested skit for elementary school children, the "Safety Bug Song", information sheet for club materials, poster, membership.

3. What's a Bus? KILBY & Associates, P.O. Box 1113, Pendleton, Oreg. 97801.

Evacuation and safety in a flip chart guide set of 18 posters and an accompanying explanation of each are included.

Training Programs

The following programs have been developed specifically for statewide or local clientele. They are not nationally marketed as are the materials listed in the preceding categories. All, however, are exemplary trainings for bus drivers, monitors (individuals assigned to ride on buses), and students; and they were drawn from three principal sources:

- Exemplary Programs Involving the Use of School Buses, The Final Report of the U.S. Department of Transportation, National Highway Safety Administration; Washington, D.C., February 1978.
- Personal interview with Billie Reynolds, executive director of The National School Transportation Association, Fairfax, Virginia, August 28, 1979.
- Telephone interview with John Burneson, Pupil Transportation Section, National Safety Council, Chicago, Illinois, August 24, 1979.

I. Programs for Bus Drivers

A. Behavior Management Workshop, Tucson, Arizona

- Sponsor--Amphitheatre Public School District, Tucson
- Time and Place--August 22, 1979, at the Transportation Building, Tucson
- Type--One-shot, voluntary, in-service training, 3- to 6-hour workshop, adaptable for repeats.
- Instructors--George W. DeGregori and George Butler, both of whom are elementary school principals in Tucson; the former at Donaldson School, the latter at Coronado School.
- Courses/topics covered--Basic theoretical orientation (examining behavioral styles and problems provided by behavioral styles), resolving conflict (adversary and win-win approaches, determining individual conflict-management styles), application of theory (simulated cases of misbehavior, implementing conflict-solving strategies, using clarifying responses, bus riders' contract), and summary evaluation sessions.
- Impact--Although the workshop cannot guarantee 100 percent conflict-free bus driving, it does three things: (1) It changes attitudes and provides the bus driver with more interaction tools to help him or her resolve many of the daily problems encountered on the job. (2) It improves the image, self-respect and prestige of the drivers. (3) It helps to prevent being a "bugged and bewildered bus driver."

The workshop was held for the first time on August 22 for 30 bus drivers. Evaluations of the workshop were submitted by drivers: most were favorable. In particular, the drivers said the session helped them "to reevaluate a problematic situation on the bus and how not to put out negative vibrations."

B. In-service Training Program, Volusia County, Florida

- Sponsor--Daytona Beach Community College (classrooms, audio-visual equipment, part of the costs for bringing in outside speakers) and the State Department of Education (remaining costs).
- Time and Place--Once a year, immediately following the last week of school, at Daytona Beach Community College.
- Type--Five-day, in-service mandatory program with a 1:20 consultant/instructor to driver ratio including lectures, discussions, panels, and evaluation of training by drivers.
- Instructors--Speakers of local, state and national repute on various aspects of school transportation.
- Courses/topics covered--Pupil behavior, driving habits. The theme for 1976 was "Pupil Discipline"; topics for 1977 included proper attitude and cooperation, the public's and the student's role in vehicle safety.
- Impact--The program assists the operation in maintaining a well-qualified corps of drivers. Drivers indicated that they were continually learning and improving their skills because of the program. Moreover, it covered many topics and procedures, thereby contributing to a variety of driver needs.

C. Passenger Management Course, Silver City, New Mexico

- Sponsor--Pupil Transportation Institute, State Transportation Department.
- Time and Place--Once a year in July during the Pupil Transportation Institute, at Western New Mexico University, Silver City.
- Type--Two sessions of one week each during the Institute. Attendance at the Institute is mandatory, but the course on passenger management is voluntary.
- Instructor--Lyman Jennings, assistant principal, Mid-High School, Alamogordo, New Mexico.

- Courses/topics covered--Discussion (rap) sessions on problems encountered during the year with colleagues from across the state; lectures, daily films, quizzes covering attitudes of drivers toward pupils, etc. Forms with bus drivers names and addresses are given to Jennings at the completion of the course, enabling Jennings to followup with periodic mailings of articles published on the topic of school safety. Trainees are also invited to write Jennings.
- Impact--Many who took the course the first year (1978) chose to repeat it the next summer (1979). A number of bus drivers stated they felt they now had "more control" of the bus and the pupil passengers. The number taking the course (approximately 400) represents about 20 percent of the total bus driver population required to attend the Institute each year.

D. Stand Still Rodeo, Beaverton, Oregon

- Sponsor--Beaverton Pupil Transportation Department.
- Time and Place--One day each year at the transportation department facility on a teacher training day when drivers are not running their regular routes.
- Type--In-service, mandatory, 2-hour session in which all six exercises are presented to 120 drivers. Since it is a stationary rodeo, only one bus is involved and maneuvers by the drivers are not required. Scores are tallied after all the exercises, and the winner announced.
- Instructors--Beaverton Pupil Transportation Department personnel.
- Courses/topics covered--Judgment of clearance, turning ratios, and height and width of the bus. Six exercises are given while drivers are seated in the driver's seat of the bus.
- Impact--This exercise provides drivers with an opportunity to evaluate their perceptions and thereby improve the quality of their driving.

E. School Bus Safety Road-e-o, Harrisburg, Pennsylvania

- Sponsor--Pupil Transportation Association of Pennsylvania, Inc.
- Time and Place--Each summer at Penn State University.

- Type--Two-day, in-service, voluntary training patterned after the National School Bus Safety Road-e-o and various state and local road-e-o's. Participation is limited to 100 entries (male and female), and no more than six from each intermediate unit area. There is a written examination, a personal appearance/interview examination, and field competition which includes use of conventional buses.
- Instructors--The road-e-o planning committee includes State of Pennsylvania Pupil Transportation staff as well as various school district transportation officials.
- Courses/topics covered--Driving skills (during field competition) and personal qualifications (personal cleanliness, wearing apparel, personality, general attitude, and ability to respond in an interview about why contestants want to be school bus drivers.)
- Impact--Road-e-o's have proven to be one of the most effective instructional tools available to improve driving skills.

F. Core Training, Providence, Rhode Island

- Sponsor--United Truck and Bus Service Company, Inc.
- Time and Place--Summer (occasionally in the spring or fall), one to three times a year depending on need, at the United Truck and Bus Service Company classrooms and in the field.
- Type--In-service, voluntary training for new drivers which is free and available to everyone and lasts as long as the skill, aptitude, and knowledge of the driver require. This community service of the company includes behind-the-wheel training and followup classroom sessions.
- Instructors--10-15 instructors to 60-70 applicants.
- Courses/topics covered--Defensive driving.
- Impact--The local districts that United serves generally maintain small fleets to handle their special education programs.

II. Program for Bus Monitors

Monitor Training, Weld County, Colorado*

- Sponsor--Weld County District No. 6
- Time and Place--As new monitors are selected, at the school district office, and in the field.
- Instructors--Driver trainer or other supervisor.
- Type--Two day preservice, mandatory, or voluntary depending on the school, one-time training which includes classroom instruction, film, skits, and field practice.
- Courses/topics covered--Sessions generally address issues relevant to the monitor's specific responsibilities, but some are based on material presented in driver training. Topics may include daily and weekly bus maintenance, route procedures, discipline, student training, emergencies, general appearance, and attitude.
- Impact--If monitors are to be effective in exercising their duties on the bus, they will need some type of training.

III. Programs for Students

A. Pupil Instruction, St. Louis County, Missouri

- Sponsor--St. Louis County Schools
- Time and Place--Once a year at the beginning of the school year in classrooms and in a stationary bus in the school parking area.
- Type--Given for several hours over a 2- or 3-day period, and designed primarily for deaf children enrolled in the second and third grades, but applicable to other students. It begins with classroom training--making posters, using coloring books--and moves to on-the-bus training in which children pretend they are leaving and role-play how rules could be broken and how rules can be properly observed in loading and unloading activities as well as on-board behavior. Children work through exercises in groups of eight, taking 15 minutes to complete each process.
- Instructors--Teachers and transportation department officials.
- Courses/topics covered--Rules of proper bus behavior.

* Monitors in Weld County are present on all buses regardless of whether or not the bus transports special education children. They maintain order on the bus and assist the driver at railroad crossings.

- Impact--This technique is particularly useful with pupils in kindergarten through the third grade. These are the pupils that are most apt to misbehave in loading and unloading. They are also the pupils that are most difficult to instruct using traditional techniques. The effectiveness of such techniques rests on the kind of concrete situation that is presented in which children can learn.

N.B. St. Louis County, which also routinely runs evacuation drills every month on all routes, is exceptional since it is a special education district. The county goes beyond State policy, which requires only two drills each year, and has their drivers conduct regular 15-minute drills. This means that drivers are able to act and respond quickly and effectively in the event of emergencies.

B. Karen Lukens Memorial Mobile Safety Training Bus,
Harrisburg, Pennsylvania

- Sponsor--Transportation Department of the Harrisburg School District, with financing from the David Lukens Trust Fund (in memory of Karen Lukens, who was killed by a car while returning home from a playground 29 years ago).
- Time and Place--Any time the bus is available (the bus is a classroom on a school bus chassis) anywhere in the Harrisburg area.
- Type--Flexible, voluntary training, which depends on the needs of interested groups, utilizing audiovisual equipment, safety aids, and teaching materials for children.
- Instructors--Any interested group wishing to use the mobile training bus.
- Course/topics covered--Safety rules and regulations, particularly laws on school bus, pedestrian, and bicycle safety.
- Impact--Not given.

C. Pupil Instruction, Memphis, Tennessee

- Sponsor--Board of Education, which provides needed resources for the instruction with assistance from the transportation department.
- Time and Place--Weekly throughout the school year during regular class time.

- Type--A mandatory, 15-minute segment each week for kindergarten through grade 12 students sponsored by the transportation department utilizing the film library, various written materials, speakers, and demonstrations.
- Instructors--Transportation department officials, staff.
- Courses/topics covered--Bus, pedestrian, bicycle, and traffic safety.
- Impact--This instruction on a "consistent basis" has resolved the confusion over which department is responsible for pupil instruction in this hitherto neglected area of pupil transportation.

Note to Reader: This listing is obviously not an exhaustive compendium of the training resources available. The National School Resources Network welcomes comments and suggestions concerning the materials listed, as well as information concerning additional programs.